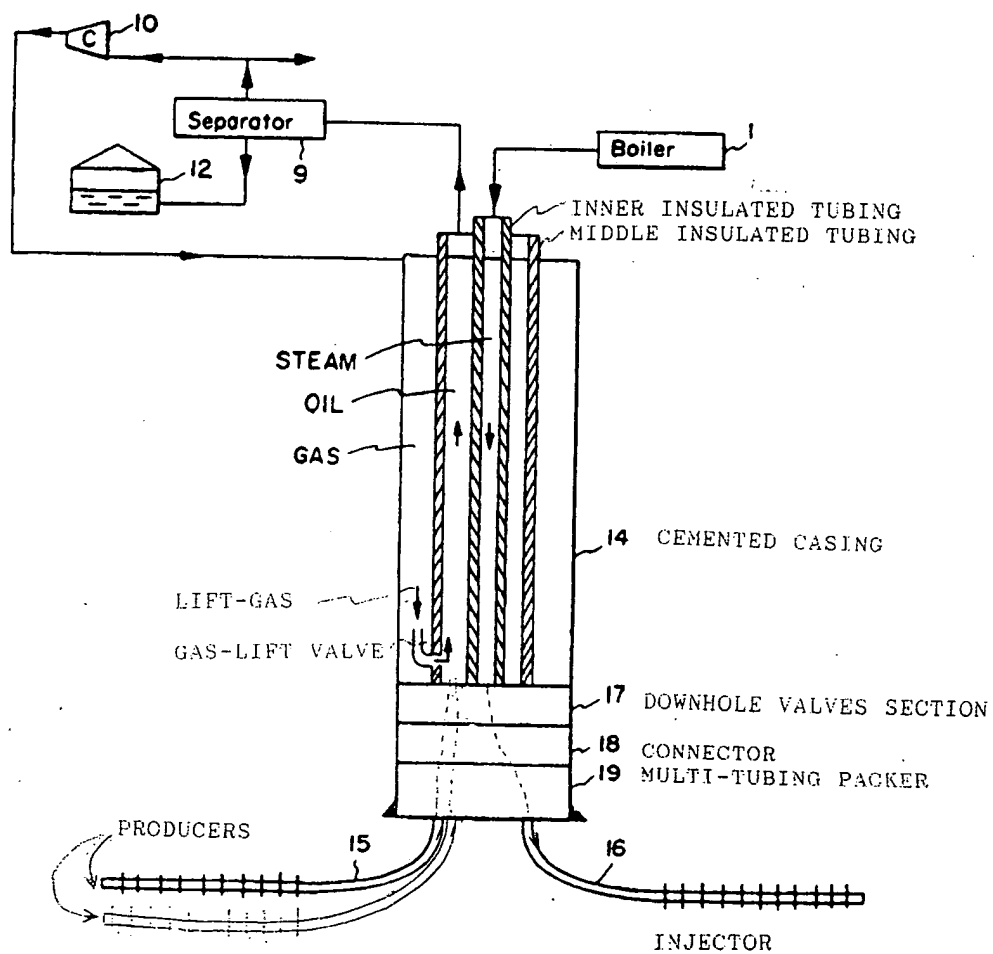


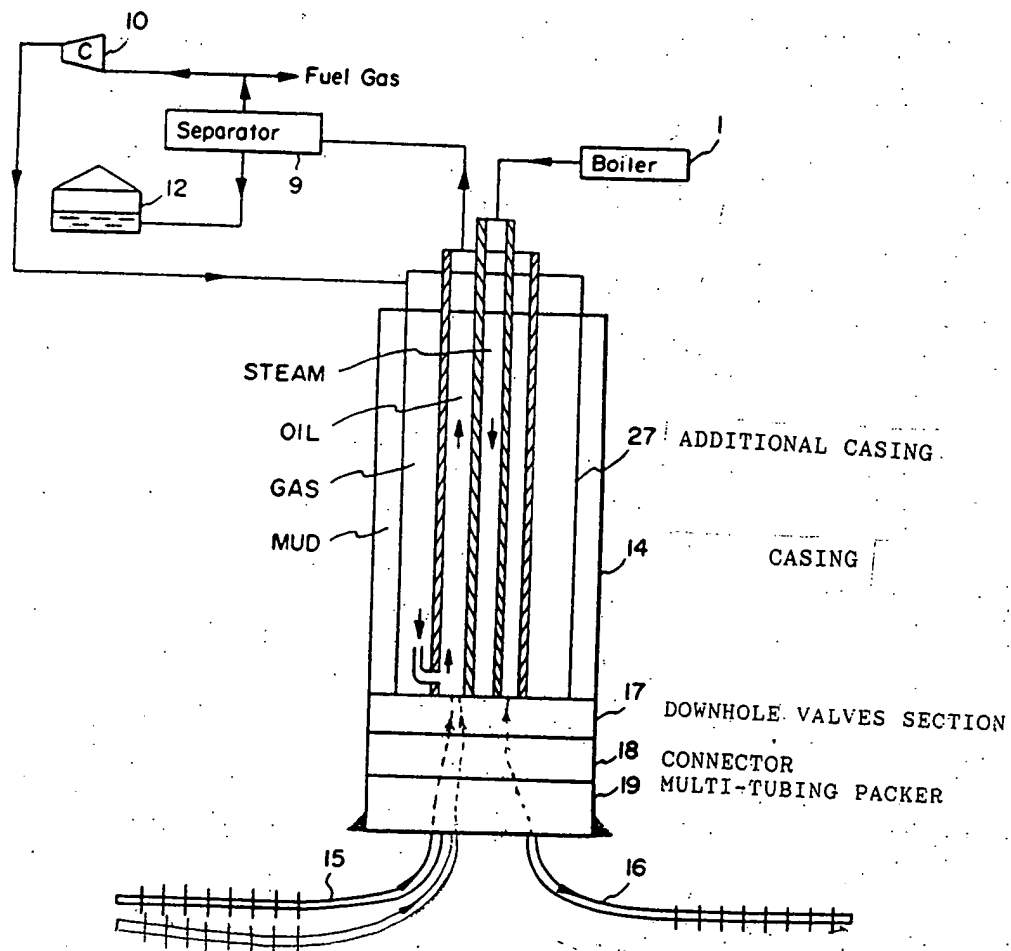
PRIOR ART

FIGURE A
REFERENCE 1 FIG. 5

SCHEMATIC MULTI-LATERAL ARCTIC WELL CONFIGURATION

PRIOR ART

REFERENCE 1 FIG. 6

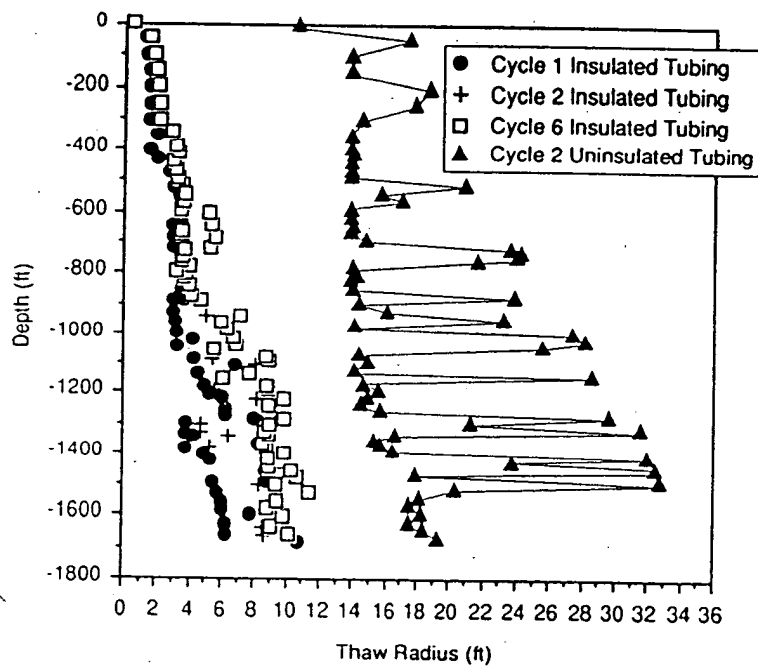


MODIFIED MULTI-LATERAL ARCTIC WELL FOR SPECIAL SITUATIONS

FIG. B

PRIOR ART

FIGURE C



REFERENCE 5 Figure 15: Thaw Radii at End of Cycles 1, 2 and 6

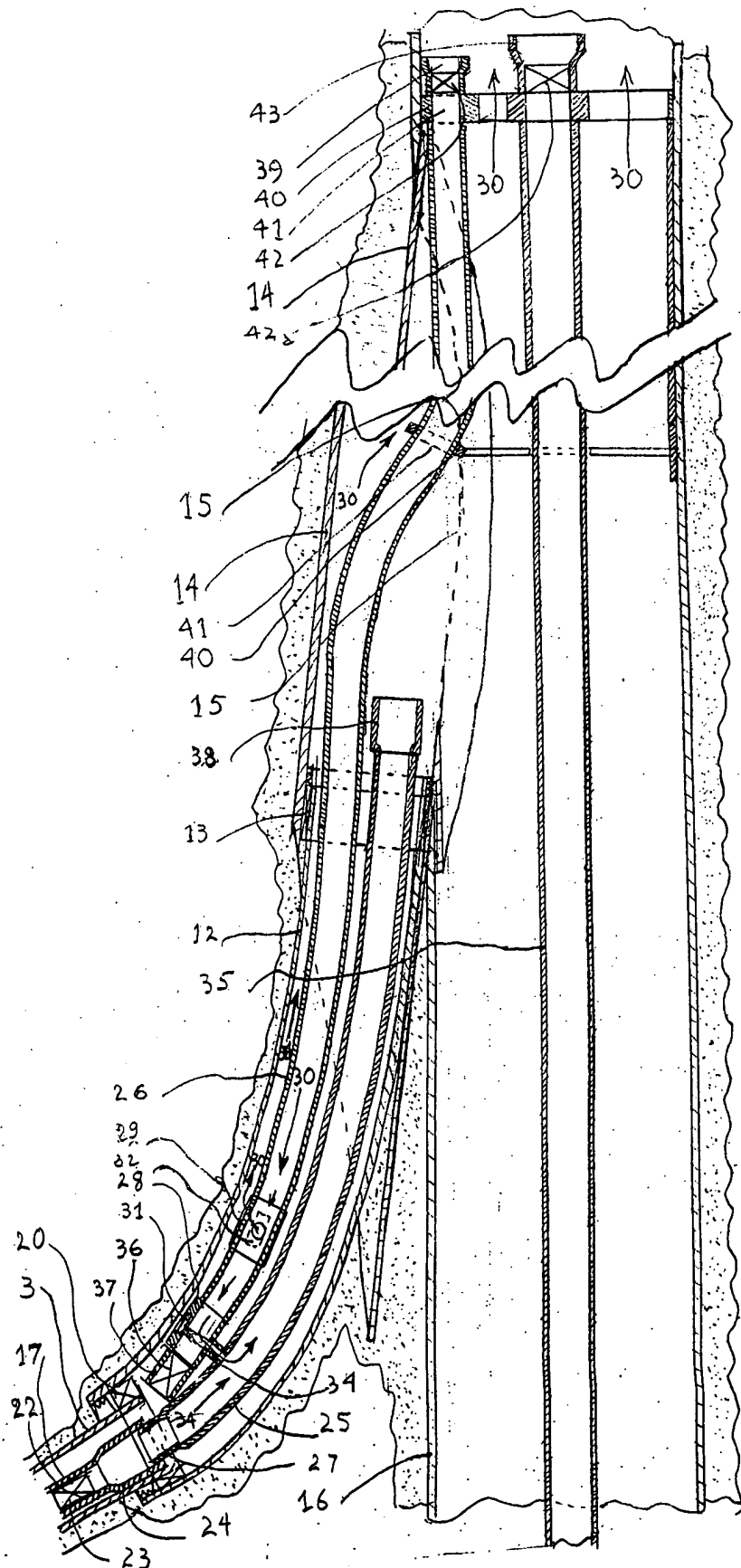


FIG. 2

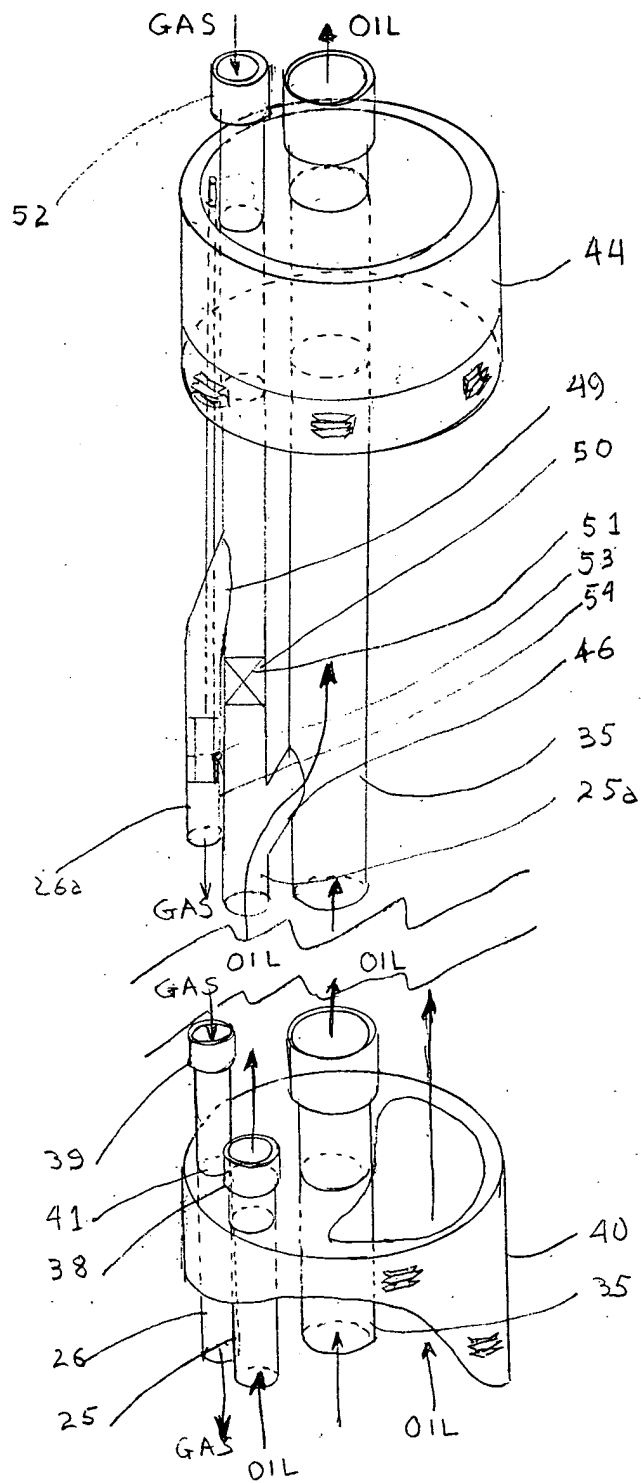
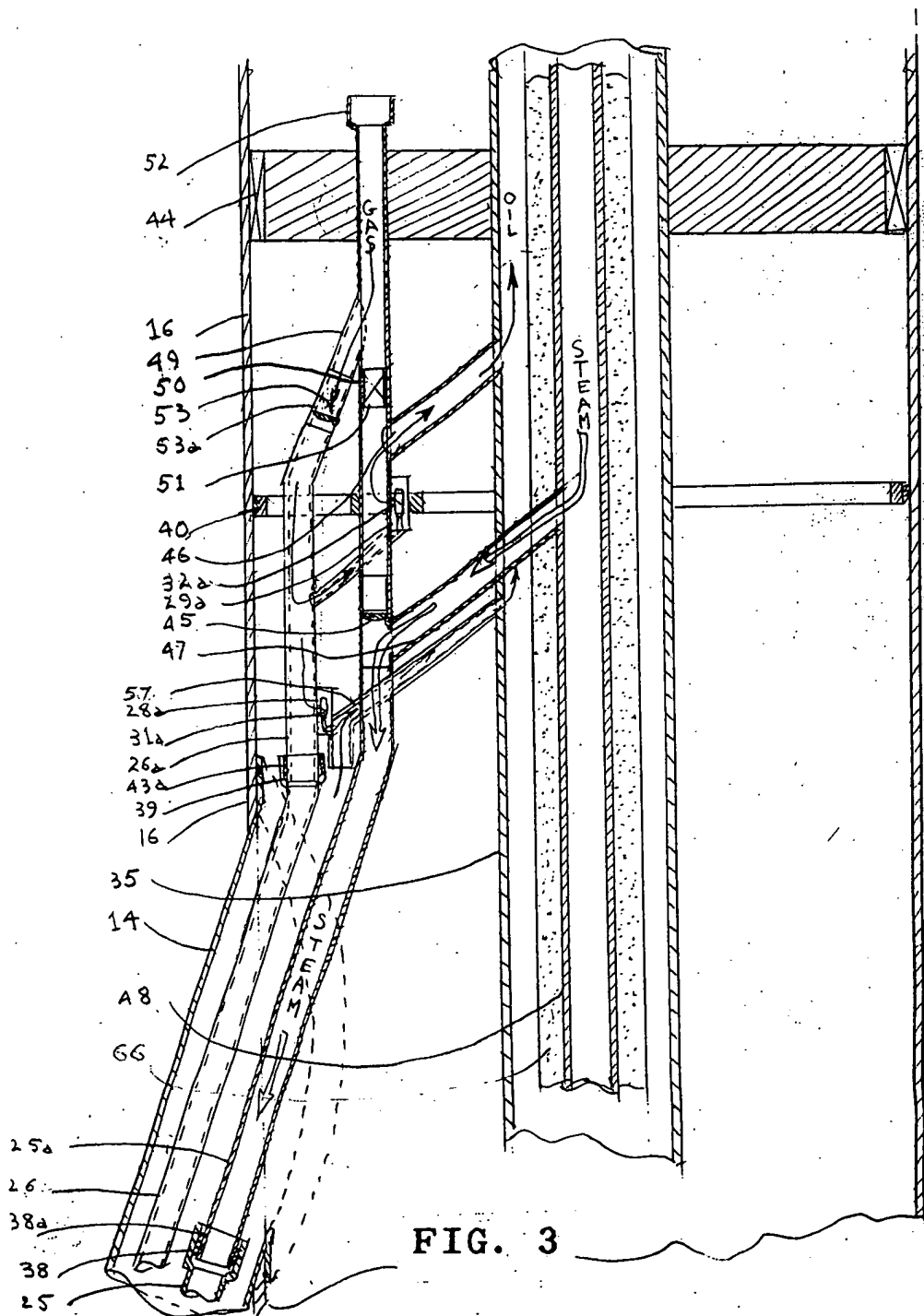


FIG. 2A



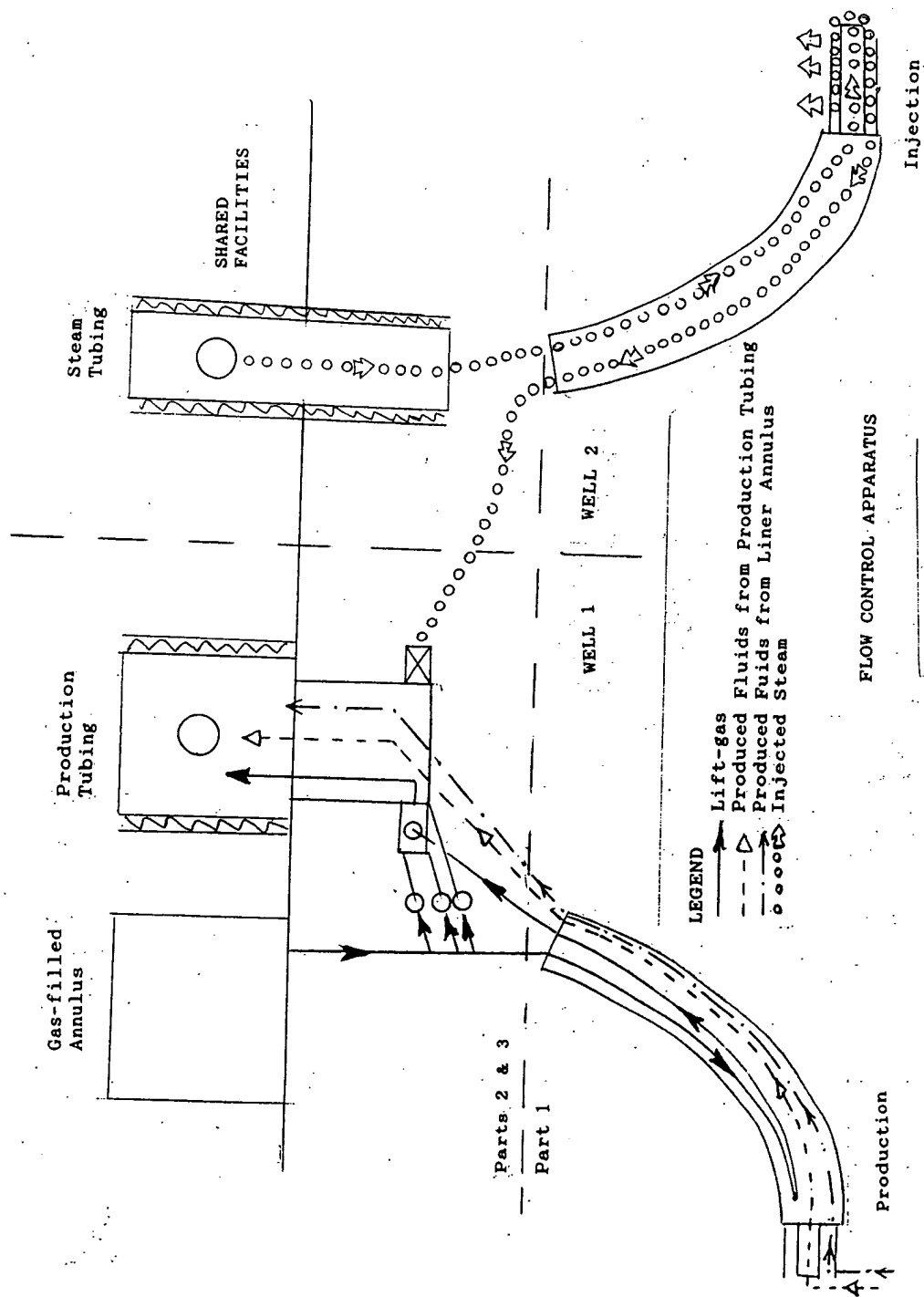


FIG. 4

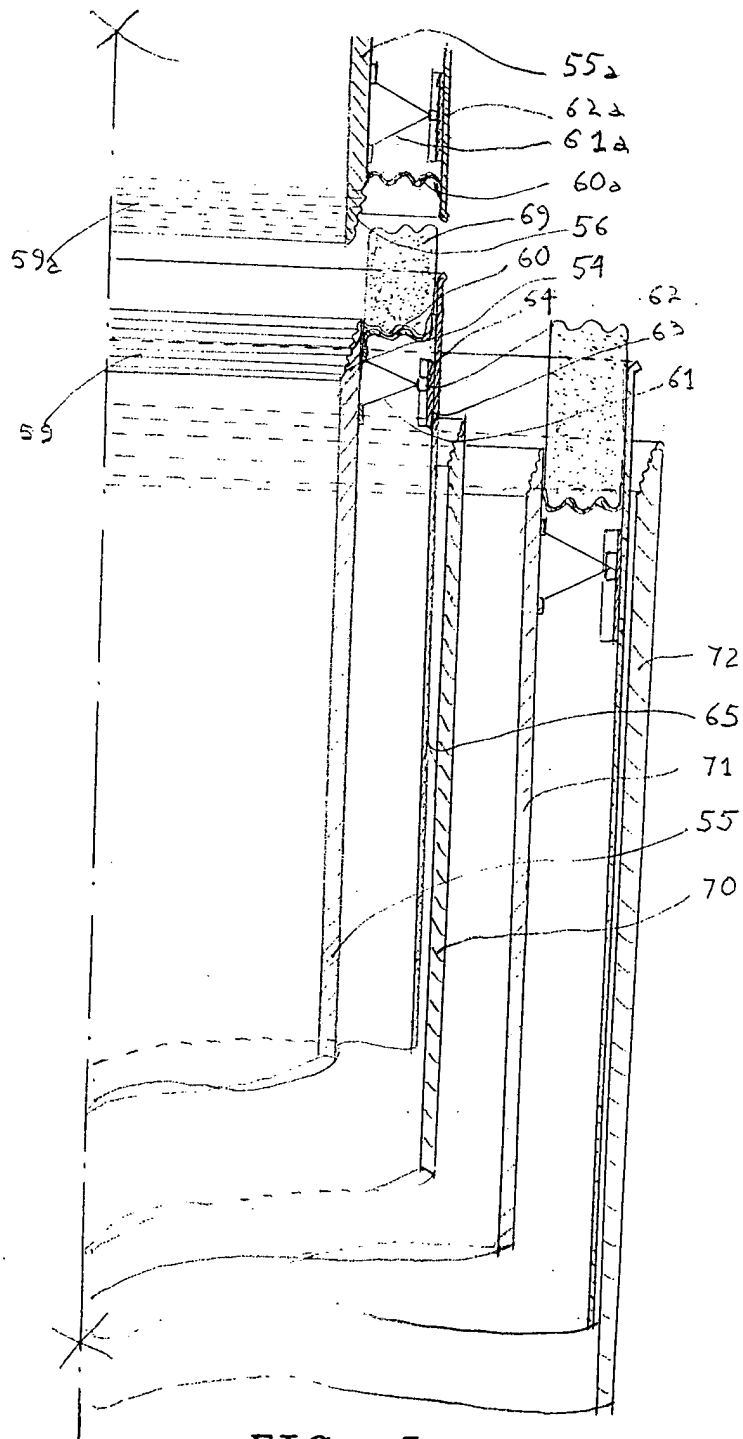


FIG. 5

BEST AVAILABLE COPY

BEST AVAILABLE COPY

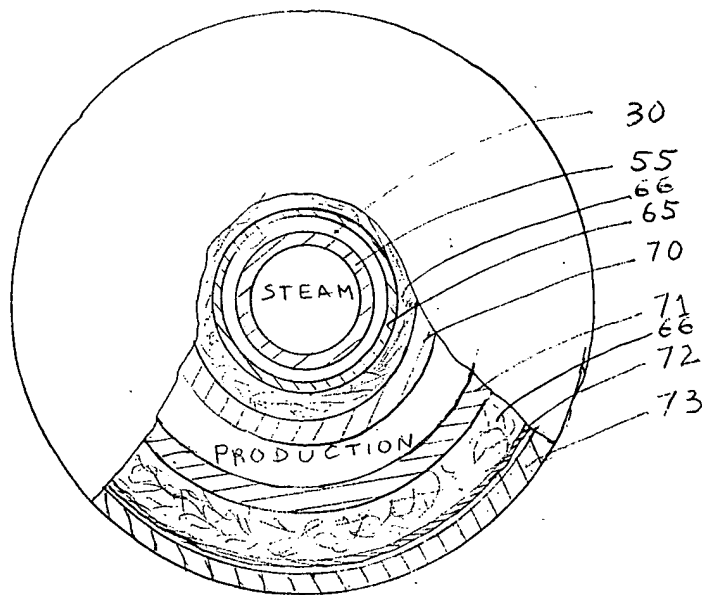
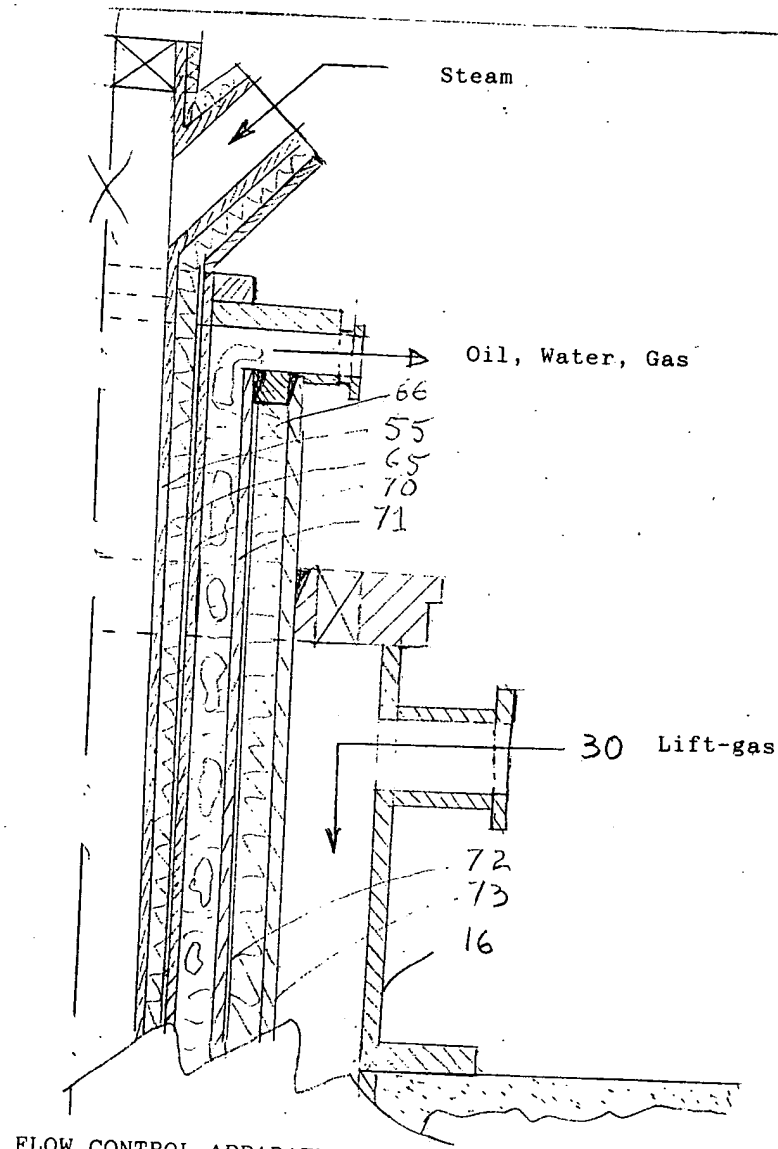


FIG. 6



FLOW CONTROL APPARATUS

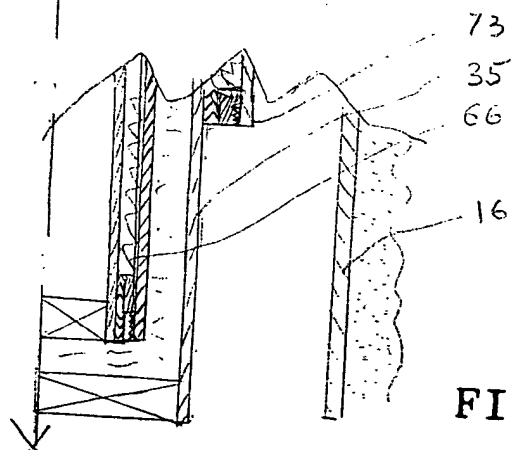
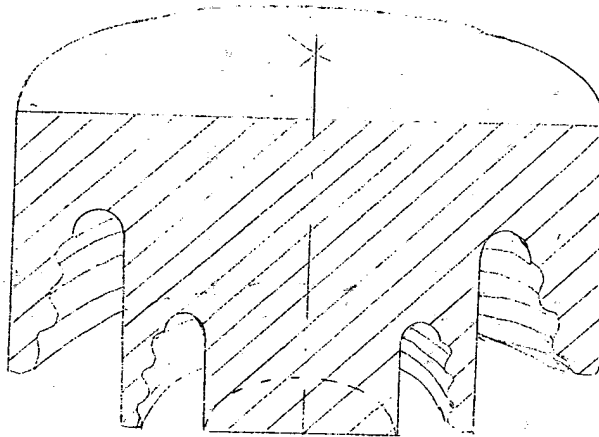


FIG. 6A

78



77

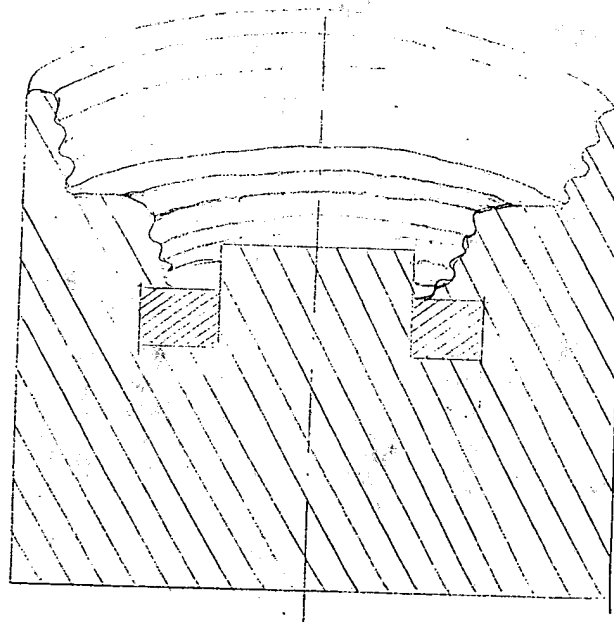


FIG. 7